

WHAT IS CLAIMED IS:

1. A system for fastening a dynamoelectric machine to a mount, the system comprising: /

a dynamoelectric machine having two opposite ends, one of said ends comprising a mounting end having at least one fastener hole extending therethrough; and

a fastener insert secured in each said at least one fastener hole on said mounting end, the fastener insert having a bore with pre-formed internal threads for receiving a threaded fastener to fasten the dynamoelectric machine to said mount.

2. A system as set forth in claim 1 wherein said fastener insert comprises a head, a shank extending from the head, and a deformation on the shank spaced from the head to define a gap receiving a peripheral edge margin of said at least one fastener hole.

3. A system as set forth in claim 2 wherein the deformation on the shank of the insert comprises a portion of the shank crimped against the peripheral edge margin of said at least one fastener hole.

4. A system as set forth in claim 3 wherein the mounting end of the dynamoelectric machine has an inner surface and an outer surface, and wherein the head of the

fastener insert contacts the outer surface of the
5 dynamoelectric machine.

5. A system as set forth in claim 1 wherein said dynamoelectric machine includes a motor housing comprising two attached members.

6. A system as set forth in claim 5 wherein each member of the motor housing is formed of stamped steel.

7. A system as set forth in claim 1 wherein said fastener hole in the mounting end and said fastener insert have corresponding circular shapes.

8. A system as set forth in claim 1 wherein said hole in the mounting end and said fastener insert have corresponding polygonal shapes.

9. A system as set forth in claim 1 wherein there are four fastener holes in the mounting end and four corresponding fastener inserts.

10. A system as set forth in claim 1 further comprising said threaded fastener, the fastener comprising a machine screw having a shank and a head.

11. A system as set forth in claim 10 further comprising said mount, the mount comprising a portion of a grill having a hole for receiving the fastener.

12. A system as set forth in claim 11 wherein said mount includes a recess for receiving the head of the fastener and a slot extending from the hole to the recess.

13. A system as set forth in claim 12 wherein the mount has a center and the slot extends in a direction generally along a tangent to a circle concentric with the center.

14. A system as set forth in claim 13 wherein the mount and machine are relatively rotatable between a first position wherein said fastener is received in said hole and a second position wherein said fastener is received in said recess.

15. A method of connecting a dynamoelectric machine to an adjacent mount during an assembly procedure, the dynamoelectric machine having opposite longitudinal ends, the method comprising the steps of:

forming two or more fastener holes in one of said longitudinal ends of the dynamoelectric machine;

inserting a fastener insert in each of said fastener holes, each fastener insert having a tubular configuration with pre-formed internal threads and an external surface

10 sized and shaped for being received in the corresponding
fastener hole;
 securing each fastener insert in the corresponding
fastener hole;
 placing the dynamoelectric machine at a position
15 adjacent to said mount for assembly therewith;
 inserting a threaded fastener through said mount into
said fastener insert; and
 threading the fastener into engagement with said pre-
formed internal threads of said fastener insert.

16. A method as set forth in claim 15 wherein the
step of securing each fastener insert comprises crimping
each fastener insert against said end of the machine.

17. A method as set forth in claim 15 wherein said
step of inserting a threaded fastener through said mount
further comprises effecting relative rotation between the
machine and the mount.

18. A method as set forth in claim 17 wherein said
rotation causes said fastener to be slidably moved along a
slot in the mount to a fastening position.